



VKG 1/0.2

Automotive bearing grease

A premium quality mineral oil based lithium complex grease with extreme pressure (EP) performance. VKG 1 is extremely thermally stable within its operating temperature range and at higher temperatures for intermittent operation, which makes it suitable in wheel bearings of vehicles fitted with disc brakes.

- Excellent lubrication at peak temperatures up to 220 °C (428 °F) for short periods
- Protection of wheel bearings operating under severe conditions
- Effective lubrication in wet conditions
- Good water and corrosion resistance
- Excellent lubrication under high loads and low speeds

Overview

Performance

Copper corrosion (max.) DIN 51811 /ASTM D4048, 24 hrs at 100°C	2 max.
Corrosion protection, Emscor, ISO 11007 modified, 0.5% NaCl	0-0
Corrosion protection, Emscor, ISO 11007 modified, Water washout	0-0
Corrosion protection, Emscor, ISO 11007, Distilled water	0-0
Dropping point (min) ISO 2176	572 °F
EP performance - 4 ball - Wear scar (max.) DIN 51350/5, 1400N	0.079 in
EP performance - 4 ball - Weld load (min.) DIN 51350/4	899 lbf
Low temperature torque, Start/Running, mNm	900/200 at -40°C
Lubrication ability, R2F test B at 120°C	Pass
Mechanical stability - Roll stability, ASTM D1831 (max.) 50 hrs at 80°C, 10-1mm	+30
Mechanical stability, V2F test, 144 hrs	-
Oil separation DIN 51817, 40°C, %	3 max.
Penetration DIN ISO 2137, Prolonged (max.), 100 000 strokes, 10-1mm	+30
Penetration DIN ISO 2137, Worked, 60 strokes (10-1mm)	280-310



Product weight	0.441 lb
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Rolling bearing grease life (max.) ROF test, L50 life, 10000 r/min, hrs at °C	1000 at 110°C
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Speed (max.) n x dm (x 1000)	300
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Water resistance (max.) DIN 51807/1, 3 hrs at 90 °C	1
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Properties

Base oil type	Mineral/PAO
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Colour	Ligth brown
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DIN 51825 code	KP2G-40
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NLGI consistency class	1-2
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Operating temperature range	-40 to +110 °C
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Thickener	Calcium sulphonate complex
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